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National Forest, alt. 8000 ft., *D. F. Korstian and F. S. Baker* (N).

UTAH: In crevices of rocks near Kanab, *Ivar Tidestrom* no. 2284 (N); Armstrong and White Canyons near the Natural Bridges, alt. 1600–1800 m., *P. A. Rydberg and A. O. Garrett* no. 9421 (N); Three Lakes, Kane Co., alt. 1800 m. *W. W. Eggleston* no. 10243 (N).

WASHINGTON: Klickitat Co., on cliffs near the Columbia, *W. N. Suksdorf* no. 2083 (M and N, two sheets); cliffs east of Bingen, Klickitat Co., *W. N. Suksdorf coll., ex herb. F. L. Pickett* no. 561 (N), a different collection from the above, but apparently from the same locality.

BRITISH COLUMBIA: Carbonate Draw [Upper Columbia Valley] *Edw. R. Heacock in Shaw's Selkirk Flora*, no. 272 (M).

While a large number of specimens of *Pellaea glabella* have been examined, they all fall within the geographical range delimited in my former paper on that species.

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### A List of Ferns found in New Hampshire.

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These ferns were found during the summers of 1916 and 1918 in four localities: a. The northeastern corner of Lake Winnepesaukee near Melvin Village, 1916. This includes Mt. Shaw. b. The neighborhood of North Woodstock and the mountains near that village, 1916. c. The neighborhood of Whitefield, 1918. d. The Presidential Range, including especially Mt. Washington approached from the Castellated Trail and King's Ravine, 1918: also Owl's Head, Cherry Mt. The names are in the order of the seventh edition of

Gray's Manual. Identifications have been carefully checked and in the case of *Dryopteris spinulosa* and its varieties and of hybrids, have been tested by microscope.

*Polypodium vulgare* L. This was found in all localities, save the upper reaches of Mt. Washington: abundant. The var. *sinuatum* was found at Georgiana Cascade, North Woodstock and on Owl's Head at Cherry Mt., near the Presidential Range. The var. *deceptum*, or a closely similar form, was found at the Cascade.

*Phegopteris polypodioides* Fée. In all localities, especially on the Presidential Range: frequent to common.

*Phegopteris hexagonoptera* (Michx.) Fée. Melvin Village.

*Phegopteris Dryopteris* (L.) Fée. All four localities: not uncommon.

*Adiantum pedatum* L. On lower levels everywhere, but not on the mountains: never common, but frequent.

*Pteris aquilina* L. Common everywhere. There was a station near Whitefield in which the fronds approached the long, irregular cuttings of the var. *pseudocaudata*.

*Asplenium platyneuron* (L.) Oakes. Only near Melvin Village.

*Asplenium Trichomanes* L. Only at Whitefield.

*Athyrium acrostichoides* (Sw.) Diels. In all localities: fairly frequent.

*Athyrium angustum* (Willd.) Presl. Common in all localities. The var. *rubellum*, Whitefield; var. *confertum*, Whitefield.

*Polystichum acrostichoides* (Michx.) Schott. Common everywhere. The var. *incisum* at Whitefield.

*Polystichum Braunii* (Spenner) Fée. On a spur of Bowman's Ridge, one plant, on the trail to Mt. Jefferson.

*Dryopteris Thelypteris* (L.) Gray. Common everywhere, even on the Presidential Range.

*Dryopteris noveboracensis* (L.) Gray. Melvin and Whitefield: not common.

*Dryopteris marginalis* (L.) Gray. Fairly common everywhere, save on the Presidential Range. A frond, picked and dropped in the pathway, was found at the foot of the trail near Randolph, evidently growing somewhere near; but we found no plants of this species on the entire range.

*Dryopteris Bootii* (Tuckerm.) Underw. Common at Whitefield.

*Dryopteris cristata* (L.) Gray. Whitefield and Melvin: common in swamps at both places.

*Dryopteris Clintoniana* (D. C. Eaton) Dowell. Frequent at Whitefield; rare at Melvin.

*Dryopteris intermedia* (Muhl.) Gray. Common at all localities. Some particularly fine specimens were growing at Whitefield.

*Dryopteris spinulosa* (O. F. Mueller) Ktze. All four localities; especially interesting at the upper levels of Mt. Washington, e. g., Edmand's Col.

*Dryopteris spinulosa*, var. *americana* (Fisch.) Fernald. Not uncommon on the mountains, especially at Mt. Shaw, Melvin Village and Laurie's Knob, near Whitefield.

Specimens of the following *Dryopteris* hybrids are in our collection: *D. Clintoniana*  $\times$  *intermedia*, *D. Clintoniana*  $\times$  *spinulosa*, *D. cristata*  $\times$  *spinulosa*, *D. intermedia*  $\times$  *spinulosa*, *D. marginalis*  $\times$  *spinulosa*. All are from Whitefield.

*Cystopteris fragilis* (L.) Bernh. Melvin, Whitefield, North Woodstock, but none in the Presidential Range district.

*Woodsia ilvensis* (L.) R. Br. Mt. Shaw, especially Bald Knob, Melvin; abundant: Dalton Mt., near Whitefield: Mt. Lincoln, near North Woodstock.

*Dennstaedtia punctilobula* (Michx.) Moore. Common everywhere.

*Onoclea sensibilis* L. Common everywhere. The var. *obtusilobata* at Whitefield and Melvin.

*Onoclea Struthiopteris* (L.) Hoffm. Melvin and Whitefield: not common.

*Osmunda regalis* L. Melvin, Woodstock and Whitefield: not abundant.

*Osmunda Claytoniana* L. Everywhere, frequent.

*Osmunda cinnamomea* L. Everywhere, common. The var. *incisa* J. W. Huntington at Whitefield; a small group of plants.

*Ophioglossum vulgatum* L. Whitefield; Dalton Mt. (Whitefield); Melvin Village. The fronds found at Melvin, growing in an abandoned barnyard, were eleven to thirteen inches long in many cases.

None of the woodland Botrychiums were found anywhere; nor did we find any of any kind in the Woodstock or Melvin districts.

*Botrychium dissectum* Spreng. Whitefield.

*Botrychium obliquum* Muhl. Whitefield. The var. *oneidense* at Whitefield.

*Botrychium ternatum* (Thunb.) Sw., var. *intermedium* D. C. Eaton. Whitefield. The var. *rutaefolium* at Whitefield (?).

*Botrychium virginianum* (L.) Sw. Melvin and North Woodstock, abundant. Whitefield: rare, only one sterile frond found.

Summary: Melvin and neighborhood, 31 species, 2 varieties; North Woodstock, 20 species, 2 varieties; Whitefield, 28 species, 5 varieties; Presidential Range, 16 species, 0 varieties. Of these 9 species and one variety were found on the upper levels. Of the total (34 species, 10 varieties and 5 hybrids), 20 species were found in all the localities (omitting the Presidential Range).

TRENTON, N. J.